

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: July 19, 2006

Inspector: Lee Curtis, Diana Walden

Location: Transition Stations: Hoyts Hill, Archers Lane, Norwalk Junction

Storm/

Rain Event: Between 0.13-0.53" of rain was recorded on 7/18 with possible localized totals over 1" as reported by NOAA and depending on location.

Areas of Inspection	Observation	Recommended Action	Corrected Actions
Access Roads and Adjacent Roadways	- Hoyts Hill: Access is gained off Hoyts Hill Road. Run-off from the roadway is channeling down the driveway and into a gully leading to the pad. 6/7-7/19/06.	-The gully will be filled in but run-off from the road will be difficult to control until the area is paved. 6/28-7/19/06.	-Needs attention when feasible
	-Timber mats were in place off Rt 58 for access and wire pulling. 6/28-7/19/06	- None at this time. 6/28-7/19/06 See Overhead report regarding this area.	-N/A
	- Archers Lane: Water levels at the wetland crossings on the access road to the ROW are high but appear to remain below problem levels. 7/19/06.	-The 1 st wetland crossing needs some maintenance again. See the EC section. 6/28-7/19/06.	-Needs attention.
	- The silt fence along the access road washed out in one obvious spot and sediment continued to accumulate in the wetland. 7/5-7/19/06 The second spot also had sedimentation after holding back a significant amount of water. 7/19/06	- The fence should be repaired and reinforced- Sediment needs to be removed carefully by hand in these spots. See erosion control section. 7/5-7/19/06 This area will also need some final stabilization measures as this is an ongoing problem.	- Needs attention (NU was lining up a contractor to look into this) - Needs evaluation

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Access Roads and Adjacent Roadways continued	<p>-Slopes remain disturbed along the access road where 345kV trenching occurred. 4/26-7/19/06</p> <p>- Turbid run-off water pooled up in the access road near the stone wall. 7/5-7/19/06</p> <p>- Norwalk Junction: Sediment tracking did not appear to be an issue at this time. 5/25-7/19/06.</p> <p>- Some vehicle access had caused soil disturbance along the swale. 7/19/06</p>	<p>- AL contractors will likely need to perform restoration when work is complete here. 5/4-7/19/06</p> <p>- Controls here need maintenance. If the ponding is an issue, replace fence with haybales or gravel berms 7/19/06</p> <p>-Continue to monitor Rt. 7 at the main access pad. Silt fence remains at the 345kV stockpiles. 7/19/06</p> <p>- Restore where feasible to reduce soil ruts. 7/19/06</p>	<p>- Needs attention when work is complete</p> <p>- Needs attention</p> <p>-N/A</p> <p>- Needs attention</p>
Foundation construction	<p>- At Hoyts Hill: Overhead wire pulling machinery remains on timber mats in the wetland at Rt 58. An issue was noted this week where one of the vehicles was off the side of the mat 7/19/06.</p> <p>- Some minor work onsite was occurring. 7/19/06</p> <p>-At Archers Lane, Work continues on scaffolding, foundations and structures. 7/19/06</p> <p>-At Norwalk Junction: Work continues on the forms, foundations, and structure installations in the station pad. 7/19/06.</p> <p>- Scaffolding was also observed in several locations on site. 7/19/06</p>	<p>- Continue to monitor. Restore wetland when work is complete 7/19/06.</p> <p>- The overhead contractors will have to address this. 7/19/06</p> <p>-None at this time 7/19/06</p> <p>- None at this time. See erosion control section 6/1-7/19/06</p> <p>- None at this time. See erosion control section for more information. 7/19/06.</p> <p>- None at this time. 7/19/06</p>	<p>-N/A at this time</p> <p>- See overhead report</p> <p>-N/A</p> <p>- N/A</p> <p>-N/A</p> <p>- N/A</p>

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	- The adjacent storage center built an earthen/fabric berm along the silt fence adjacent to the site. 5/25-7/19/06	- This is not project related/jurisdictional or covered under the permit held by NU. 5/25-7/19/06	- N/A – not project jurisdictional
Erosion and Sediment Controls	<p>-Hoyts Hill: The perimeter silt fence along the wetlands at the rear of the station remains in good shape. 4/6-7/19/06.</p> <p>- The areas where the filter bags were removed remains bare with some accumulated sand. 7/5-7/19/06</p> <p>-One gully in the southern slope remains along the stone pad. The rest of the repaired slope is revegetating fairly well. 6/28-7/19/06.</p> <p>- Archers Lane: Silt fence along the access road at the 1st wetland had washed out and sediment continued to accumulate more significantly in the wetland. 7/5-7/19/06</p> <p>- The remaining fence had held back water and noticeable sediment but accumulation continued in the wetland here as well. 7/5-7/19/06</p>	<p>-Monitor and maintain the fence as necessary. 4/6-7/19/06 Vegetation is growing very well in the adjacent wetland 7/19/06</p> <p>- Consider seeding to revegetate if this does not occur naturally soon. 7/5-7/19/06</p> <p>-The gully will be repaired and the slope reshaped to promote sheet flow. 6/28-7/19/06.</p> <p>-Repair fence ASAP and reinforce with haybales or wire backing. Remove sediment carefully by hand. 7/5-7/19/06 This area will need more final stabilization measures as this is an on-going problem. 7/19/06</p> <p>- Reinforce the fence where necessary. Any easily accessible deposits of sediment need to be removed. 7/5-7/19/06</p>	<p>- N/A</p> <p>- Needs evaluation</p> <p>- Needs attention when feasible</p> <p>- Needs attention. (NU was in the process of getting a contractor for this)</p> <p>-Needs attention (NU was in the process of getting a contractor for this)</p>
	- A spot along the silt fence on the access drive in the ROW needs repair as stone washed over and built up here adjacent to the 2 nd wetland crossing. 5/17-7/19/06	- Repair fence and pull back stone as needed. Another spot is filling up but not yet overtopped. 5/17-7/19/06	- Needs attention (but may be overhead jurisdiction)

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	<ul style="list-style-type: none"> - Turbid run-off from the access road continues to pool at the stonewall near Diamond Hill. Silt fence is partially filtering the water. 7/5-7/19/06 - The silt fence where the process stockpile used to be was also washed down. 7/12-7/19/06 	<ul style="list-style-type: none"> - Repair fence or replace with haybales or a gravel berm (or similar control) here if ponding is a problem. 7/5-7/19/06 - Repair silt fence and install haybales to reinforce the area. 7/12-7/19/06 	<ul style="list-style-type: none"> - Needs attention - Needs attention if feasible
Erosion and Sediment Controls continued	<ul style="list-style-type: none"> - Norwalk Junction: Perimeter silt fence remain in good shape along the river. 5/17-7/19/06. -The wetland area outside the silt fence adjacent to the river contains accumulated sediment and turbid water. 6/7-7/19/06 - All the haybales in the swale culverts remain degraded. 6/28-7/19/06 -Significant sediment accumulation also remains in the swale. 6/7-7/19/06 Adjacent areas on site are not stable or have soil disturbance leading to additional sediment in the swale. 7/19/06 -Trench plates were placed over the swale for access. 7/12/06 	<ul style="list-style-type: none"> - None at this time. Continue to monitor controls. 5/17-7/19/06. - The silt is contained and does not reach the river. Wetland vegetation was also noted growing here, but silt has built up at the stone outlet and should be removed by hand. 6/1-7/19/06 -Place new haybales or additional controls at all the culverts for filtration. 6/28/-7/19/06 - Continue to improve water quality to the swale by restoring areas wherever feasible. Also remove accumulated sediment from the swale 6/1-7/19/06. - The swale is intact at this time but if access causes any damage to the swale it should be repaired. 7/12/06 	<ul style="list-style-type: none"> -N/A - Needs attention - Needs attention - Needs attention - N/A at this time
Inland Wetland and Watercourse encroachment and	<ul style="list-style-type: none"> - Hoyts Hill: The wetland remains well protected and well vegetated 7/19/06 	<ul style="list-style-type: none"> -Continue to monitor this area until slopes are stabilized completely. 7/19/06. 	<ul style="list-style-type: none"> - N/A.

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mitigation	<p>- The areas where the filter bags had been should be vegetated. 7/5-7/19/06</p> <p>- One of the piece of equipment for wire pulling had partially slipped off the mat to the wetland. 7/19/06</p> <p>-Archers Lane: Watch run-off velocity down the completed slopes and walls. Efforts are still needed to remove deposited sediment from the 1st wetland crossing. 6/28-7/19/06.</p> <p>- Norwalk Junction: The outlet of the drainage swale is at the headwall of the wetland area. Wetland vegetation was growing but silt has accumulated and turbid water remains 6/14-7/19/06</p>	<p>- Seed and restore as needed 7/19/06</p> <p>- This is overhead contractor jurisdiction but equipment should be stabilized immediately. 6/28-7/19/06</p> <p>- Remove the sediment from the wetland where there are significant buildups. 6/20-7/19/06.</p> <p>Sediment build up had increased. 7/5-7/19/06</p> <p>- Reduce turbidity by controlling its source-disturbed surfaces and dewatering on site. The area does not seem affected but deeper sediment buildup at the outlet should be removed. 5/25-7/19/06.</p>	<p>-See overhead report</p> <p>- Needs attention (NU was lining up a contractor for this)</p> <p>-Needs attention when feasible</p>
State species of concern, threatened and endangered species	<p>- No species of concern are located in these areas of construction.</p>	<p>- N/A</p>	<p>-N/A</p>
Vegetative clearing limits (including trees to save or danger trees noted)	<p>-Hoyts Hill: The southern slope has increasing vegetative cover. One gully remains through the stone pad. 6/28-7/19/06.</p> <p>- Archers Lane: Consider final stabilization measures for the area so turbid run-off to the wetland will be reduced. 7/19/06.</p> <p>- Norwalk Junction: -A number of bare soil</p>	<p>- See erosion control section. 6/7-7/19/06.</p> <p>-Evaluate potential solutions here. 7/19/06.</p> <p>- Restore perimeter</p>	<p>-Needs attention when feasible</p> <p>-Needs evaluation</p> <p>-N/A</p>

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	areas around the perimeter of site should be temporarily stabilized/vegetated due to sediment loading to the swale. 7/19/06.	surfaces wherever feasible (even if it is temporary) 6/1-7/19/06.	
Dewatering Archers Lane Norwalk Junction	- Active dewatering was not noted. 7/19/06 -Active dewatering occurs regularly to the swale. The haybales are degraded and turbid water reaches the wetland area. Significant sediment had built up. 7/5-7/19/06.	- The silt fence along the access road that would receive this water is in good shape but other areas need repair 7/19/06. -Replace haybales and reinforce controls. Accumulated silt needs to be removed. 6/28-7/19/06.	-N/A -Needs attention
Blasting	- All blasting is complete. 7/19/06	- None at this time.	-N/A
Soils	- A number of soil stockpiles remain at Norwalk Junction as excavation continues although a few were moved 7/19/06.	- Stockpiles remain contained. See erosion control section. 7/19/06. - Controls remain in place near 345kV stockpiles near the entrance to Norwalk	-N/A
Spills and Material Storage	- No obvious spills or equipment leaks were noted at this inspection 7/19/06	- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site - Report spills immediately, even if they are being controlled. - Take care not to get carried away and to be vigilant when refueling. Avoid refueling in the areas near the wetlands. See proper storage for all materials.	-N/A
Additional Observations			

Next likely scheduled inspection:

Wednesday July 26, 2006

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature: Diana Walden



Hoyts Hill Transition Station: Photo on the left shows where the old filter bag had been during construction. Consider seeding here to restore temporary vegetative cover. Photo on the right shows a view of the existing gully along the slope. 7/19/06



Archers Lane: Photo on the left shows turbid run-off ponding at the access drive. Continue to maintain controls so this water is filtered before entering the wetland. If this ponding is an issue consider haybales or small stone berms in place of silt fence Photo on the right shows an overview of the work and structures in the station yard. 7/19/06.



Photo on the left shows the area along the silt fence at the 1st wetland crossing that receives significant run-off from the access road. Sediment continues to accumulate in the wetland. Contractors are being scheduled to remove this but more final stabilization measures will be needed. Photo on the right shows some additional accumulation.



Norwalk Junction: Photo on the left shows where some vehicle traffic caused additional soil disturbance adjacent to the swale. Areas surrounding the swales should be restored where possible to reduce run-off. Photo on the right shows the wetland area at the end of the swale with accumulated sediment that should be removed. 7/19/06.